



**SWEPI LP**

2100 Georgetown Drive, Suite 400  
Sewickley, PA 15143  
724-933-4753

October 29, 2013

Attn: Mr. John Guth  
Pennsylvania Department of Environmental Protection  
Bureau of Air Quality, Region V  
Northwest Regional Office  
230 Chestnut Street  
Meadville, PA 16335-3481

RECEIVED  
NOV 05 2013  
3AP20

Director, Air Protection Division  
U.S. Environmental Protection Agency, Region III  
Mail Code 3AP00  
1650 Arch Street  
Philadelphia, PA 19103-2029

**RE: SWEPI LP (Shell)  
Patterson Compressor Station, Little Beaver Township, Lawrence County, Pennsylvania  
40 CFR Part 60, Subpart JJJJ Initial Notification**

Dear Mr. Guth / Director, Air Protection Division:

SWEPI LP (Shell) is proposing to install and operate one (1) natural gas-fired Caterpillar G3508B LE four-stroke ultra lean-burn (4SULB) compressor engine, rated at 690 horsepower, at the Patterson Compressor Station. The engine is subject to the requirements contained in 40 CFR Part 60, Subpart JJJJ – *Standards of Performance for Stationary Spark Ignition Internal Combustion Engines*.

Pursuant to 40 CFR 60.7(a) and 40 CFR 60.4245(c), Shell is submitting this initial notification to meet the requirements of 40 CFR 60, Subpart JJJJ. The following information is being provided as outlined in §60.4245(c)(1) through (5).

**Name and Address of the Owner or Operator [§60.4245(c)(1)]**

*Primary Address*  
SWEPI LP  
2100 Georgetown Drive, Suite 400  
Sewickley, PA 15143

*Local Field Office*  
SWEPI LP  
New Castle Field Office  
26 Nesbitt Road  
New Castle, PA 16105-3410

**The Address of the Affected Source [§60.4245(c)(2)]**

The affected source will be located at an unattended location in Little Beaver Township, Lawrence County, Pennsylvania. The approximate coordinates for the facility are:

Latitude: 40°53'27.55" North  
Longitude: 80°24'34.83" West.

**Engine Information Including Make, Model, Engine Family, Serial Number, Model Year, Maximum Engine Power, and Engine Displacement [§60.4245(c)(3)]**

The engine is a natural gas-fired Caterpillar G3508B LE 4SULB compressor engine. Additional engine information is as follows:

	<b>Compressor 2443</b>
<b>Serial Number</b>	RBK01264
<b>Date of Manufacture</b>	3/19/2013
<b>Maximum Engine Power Rating at 100% Load (bhp)</b>	690
<b>Engine Displacement (in<sup>3</sup>)</b>	2115

**Emission Control Equipment [§60.4245(c)(4)]**


The engine will be equipped with an oxidation catalyst.

**Fuel Used [§60.4245(c)(5)]**

The engine will exclusively fire field natural gas.

Please contact me if you have any questions or require further clarification.

Sincerely,

  
Kimberly D. Coy  
Senior Environmental Engineer

cc: Mr. H. James Sewell, Shell  
Ms. Kim Kaal, Shell



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**RE: Notification of the Commencement Date of Construction, 40 CFR Part 60, Subpart OOOO, Reciprocating Compressors at the Patterson Compressor Station, SWEPI LP (Shell), Appalachia Asset, Slippery Rock Operating Area**

Dear Mr. Guth / Director, Air Protection Division:

SWEPI LP (Shell), Appalachia Asset, is submitting this notification of the commencement date of construction for the reciprocating compressor located at the Patterson Compressor Station, located in Little Beaver Township, Lawrence County, Pennsylvania. The compressor is subject to the requirements of 40 CFR Part 60, Subpart OOOO – *Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution*. The notification is required by §60.5420(a), which references the notification contained in §60.7(a)(1).

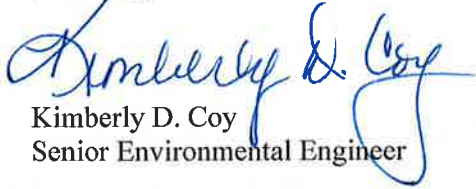
Subpart OOOO applies to each reciprocating compressor between the wellhead and the point of custody transfer to the natural gas transmission and storage segment where construction, modification, or reconstruction commenced after August 23, 2011. However, a reciprocating compressor located at a well site, or an adjacent well site and servicing more than one well site, is not an affected facility under Subpart OOOO.

The table below details the information about the applicable compressor:

Compressor ID	Manufacturer & Model	Serial Number	Commence Construction Date (First Install Date)
2443	Ariel JGJ 4	F-41536	Unit set on location on 8/28/2013. The unit has not started operations; startup is expected around 11/5/2013

If you have any questions or comments concerning the information included in this letter, please contact me.

Sincerely,



Kimberly D. Coy  
Senior Environmental Engineer

cc: Mr. H. James Sewell, Shell  
Ms. Kim Kaal, Shell  
Mr. Shawn Dueitt, Shell